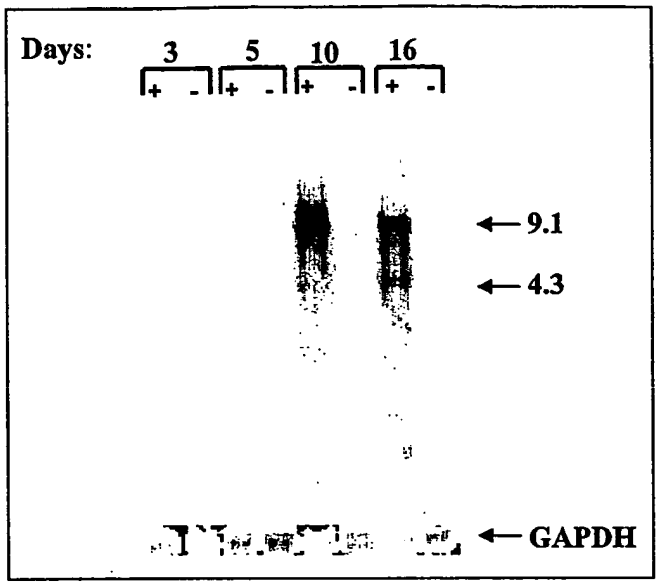


Figure 1A

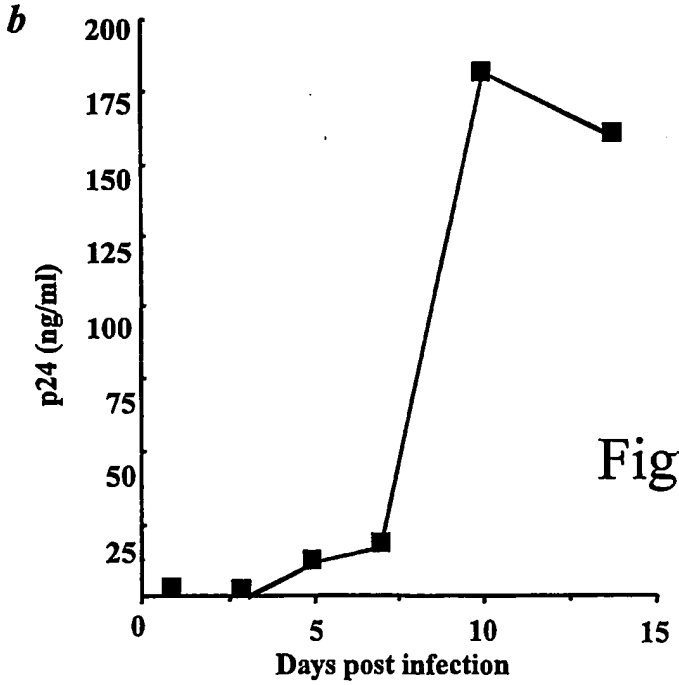


Figure 1B

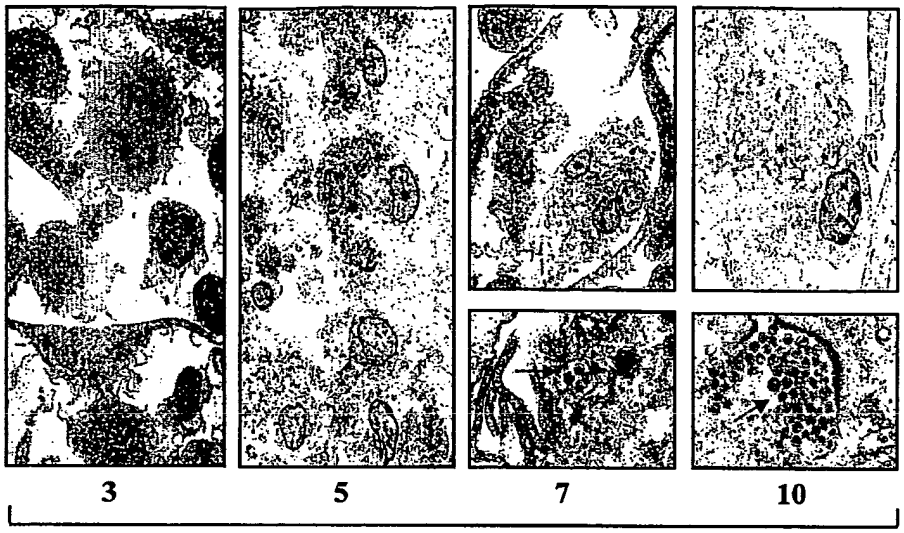


Figure 1C

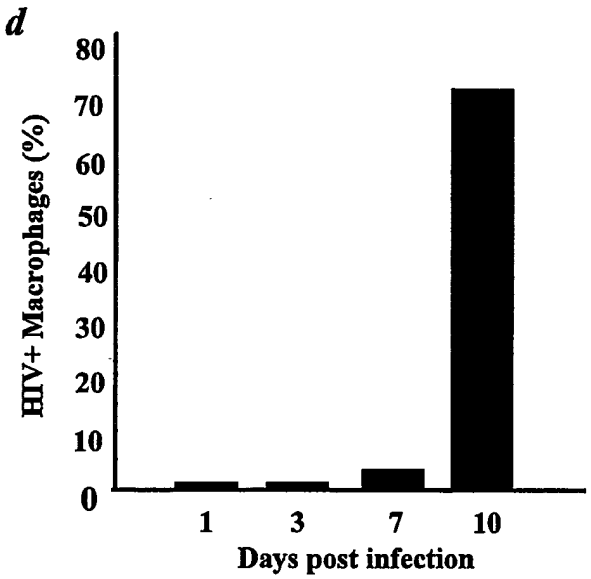


Figure 1D

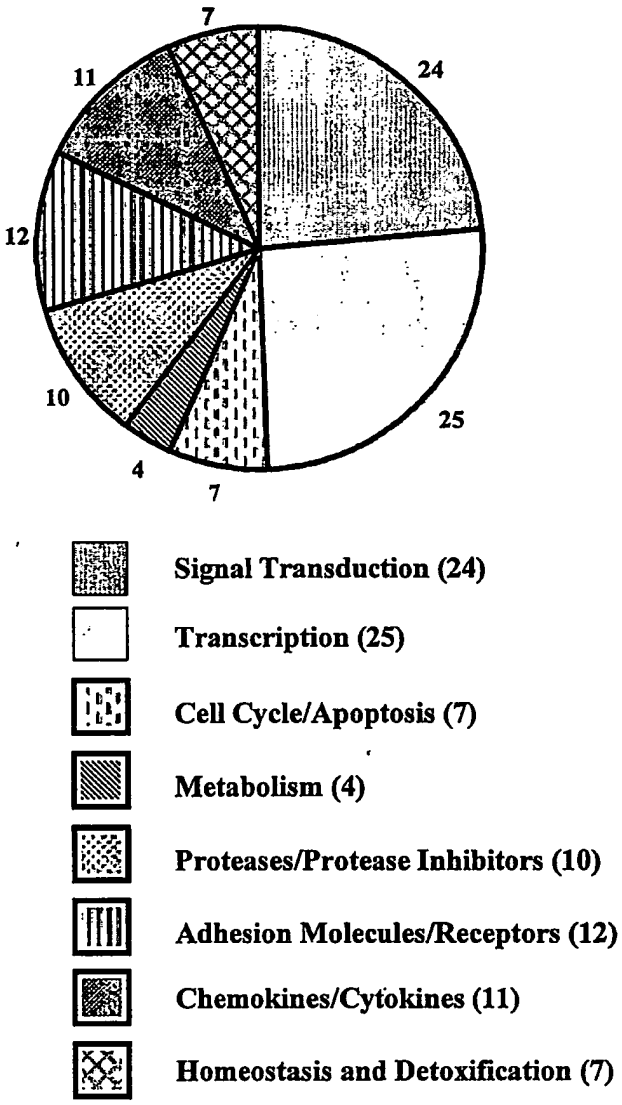

7
24
11
12
10
25
4
7
Signal Transduction (24)
Transcription (25)
Cell Cycle/Apoptosis (7)
Metabolism (4)
Proteases/Protease Inhibitors (10)
Adhesion Molecules/Receptors (12)
Chemokines/Cytokines (11)
Homeostasis and Detoxification (7)

Figure 2A

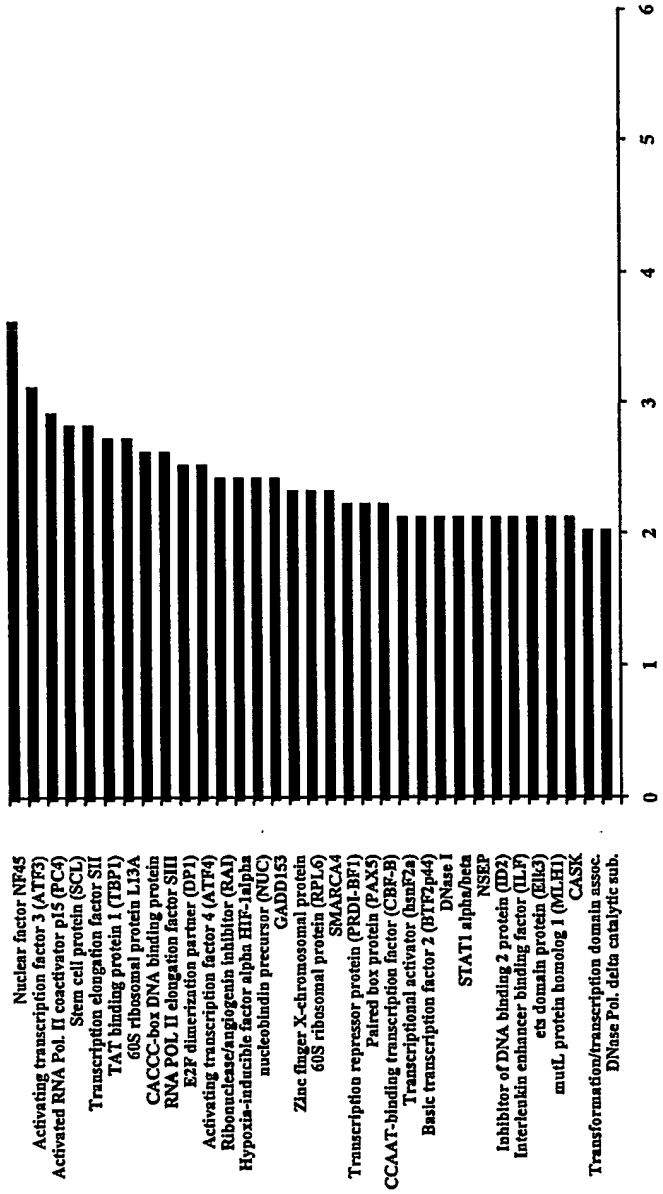
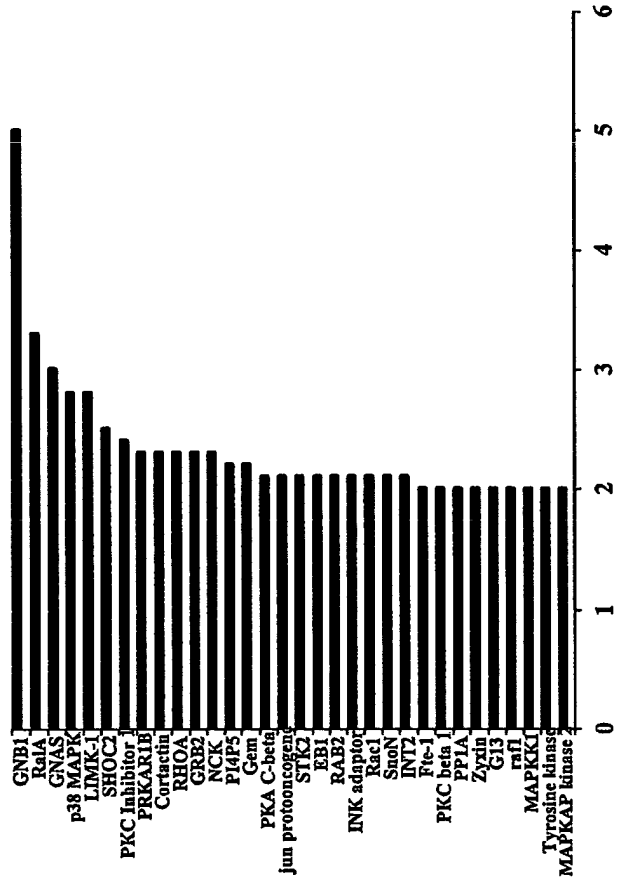

0
1
2
3
4
5
6
Nuclear factor NF45
Activating transcription factor 3 (ATF3)
Activated RNA Pol. II coactivator p15 (PC4)
Stem cell protein (SCL)
Transcription elongation factor SII
TAT binding protein 1 (TBP1)
60S ribosomal protein L13A
CACCC-box DNA binding protein
RNA POL II elongation factor SIII
E2F dimerization partner (DP1)
Activating transcription factor 4 (ATF4)
Ribonuclease/angiogenin inhibitor (RAI)
Hypoxia-inducible factor alpha HIF-1alpha
nucleobindin precursor (NUC)
GADD153
Zinc finger X-chromosomal protein
60S ribosomal protein (RPL6)
SMARCA4
Transcription repressor protein (PRDI-BF1)
Paired box protein (PAX5)
CCAAT-binding transcription factor (CBF-B)
Transcriptional activator (hsnF2a)
Basic transcription factor 2 (BTF2p44)
DNase I
STAT1 alpha/beta
NSEP
Inhibitor of DNA binding 2 protein (ID2)
Interleukin enhancer binding factor (ILF)
ets domain protein (Elk3)
mutL protein homolog 1 (MLH1)
CASK
Transformation/transcription domain assoc.
DNase Pol. delta catalytic sub.

Figure 2B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RalA
GNAS
p38 MAPK
LIMK-1
SHOC2
PKC Inhibitor 1
PRKAR1B
Cortactin
RHOA
GRB2
NCK
PI4P5
Gem
PKA C-beta
jun protooncogene
STK2
EB1
RAB2
INK adaptor
Rac1
SnoN
INT2
Fte-1
PKC beta 1
PP1A
Zyxin
G13
raf1
MAPKK1
Tyrosine kinase
MAPKAP kinase 2
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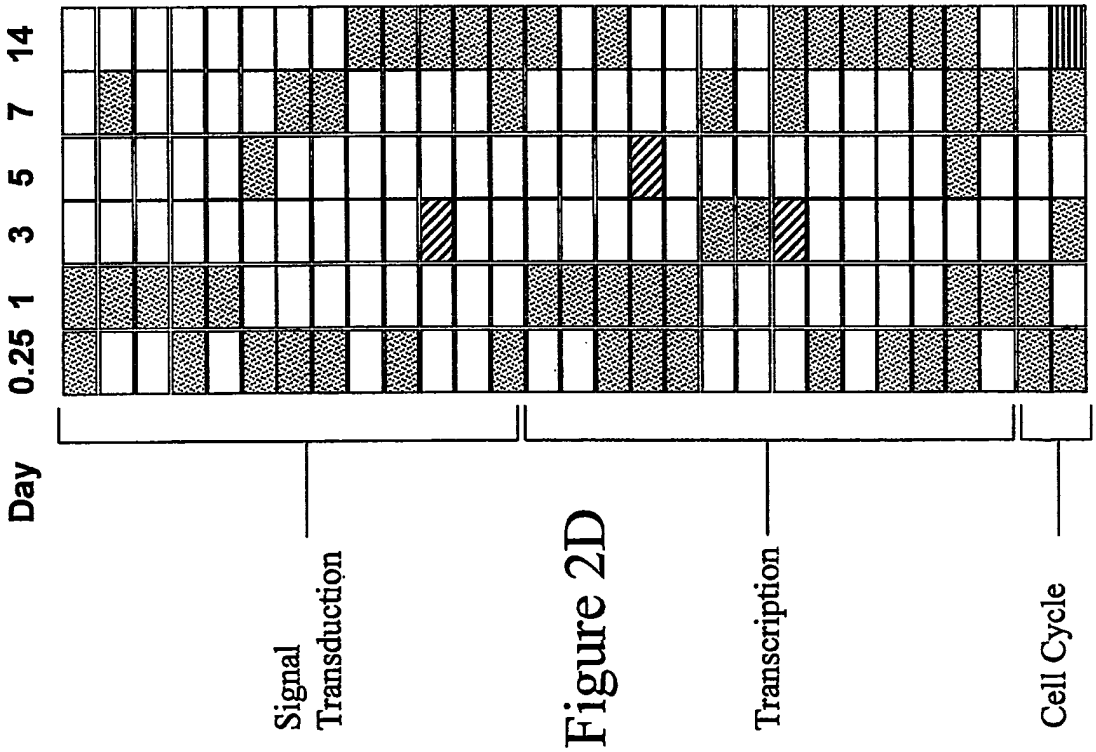
1
2
3
4
5
6

Figure 2C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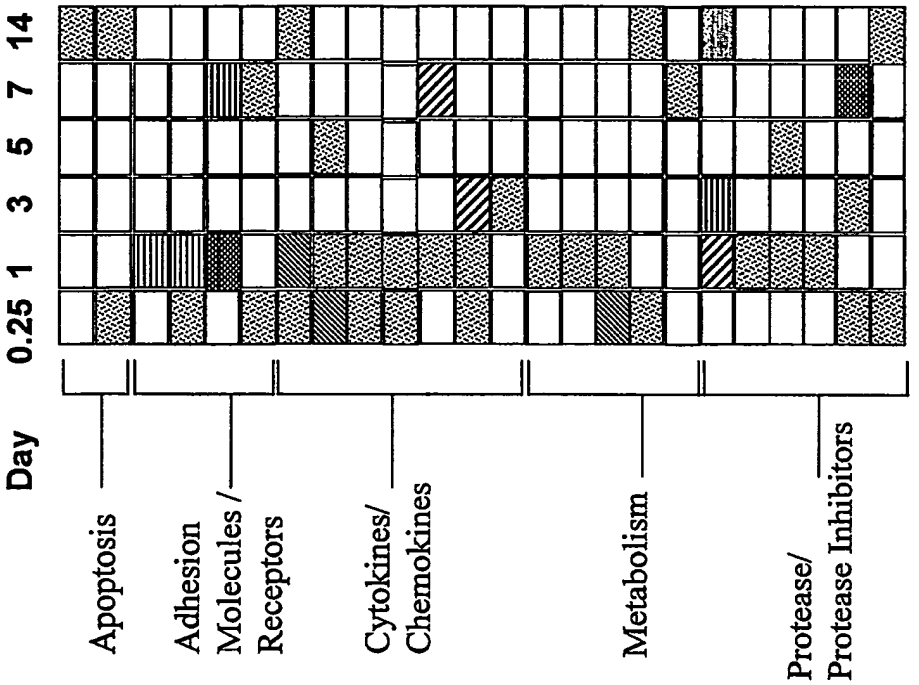
X93499 ras-related protein RAB-7
D10495 protein kinase C delta
M19922 INT-2 proto-oncogene protein
L41816 calcium/calmodulin-dependent protein kinase I
M14631 guanine nucleotide-binding protein (GNAS) *
X15014 Ral A
M29870 Rac1
U48296 nuclear tyrosine phosphatase (PRL1)
U12779 MAPKAP kinase 2
X08004 ras-related protein RAP-1B
U51004 PKC inhibitor 1
L25080 Ras homolog A (RhoA)
Z29678 microphthalmia-assoc. transcription factor
X79067 EGF response factor 1
X69391 60S ribosomal protein L6 (RPL6)
M97796 inhibitor of DNA binding 2 protein
M83234 nuclease sensitive element (NSEP) *
D28118 zinc finger protein 161 (ZNF 161) *
M29366 ERBB-3 receptor
M23619 high mobility group protein (HMG-I)
J04111 jun proto-oncogene, AP1
L07597 S6KII alpha 1
U12979 PC4
U08316 S6KII alpha 3
U07418 mutL protein homolog 1
L16785 nucleoside diphosphate kinase B
M15796 proliferating cyclic nuclear antigen (PCNA)
U09579 CDKN1A / p21 *
Signal Transduction
Transcription
Cell Cycle

Figure 2D


Day
0.25
1
3
5
7
14
Apoptosis
Adhesion Molecules / Receptors
Cytokines/ Chemokines
Metabolism
Protease/ Protease Inhibitors
D15057 defender against death 1 (DAD1)
U28014 caspase 4
U18840 myelin-oligodendrocyte glycoprotein
M59911 integrin alpha 3 (ITGA3)
Y00796 integrin alpha L (ITGAL) *
X01057 IL-2 receptor alpha
M17733 thymosin beta-4
M24545 monocyte chemotactic protein 1
M92381 thymosin beta-10
M27288 oncostatin M
K02770 interleukin-1 beta precursor *
X06233 MRP14 *
M26708 prothymosin alpha
X15480 glutathione S-transferase pi
X67951 thioredoxin peroxidase 2
U03688 dioxin inducible cytochrome p450 (CYP1A1) *
M74524 ubiquitin-conjugating enzyme E2 (UBE2A)
X08020 glutathione S-transferase mu1
D88378 proteasome inhibitor HPI31 *
X12451 cathepsin L
X04106 calpain
X02920 alpha-1 antiproteinase
J05070 matrix metalloproteinase 9 (MMP9) *
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Fold decrease
Fold increase
<-8 -4-8 -2-4 0 2-4 4-8 >8

Figure 2E

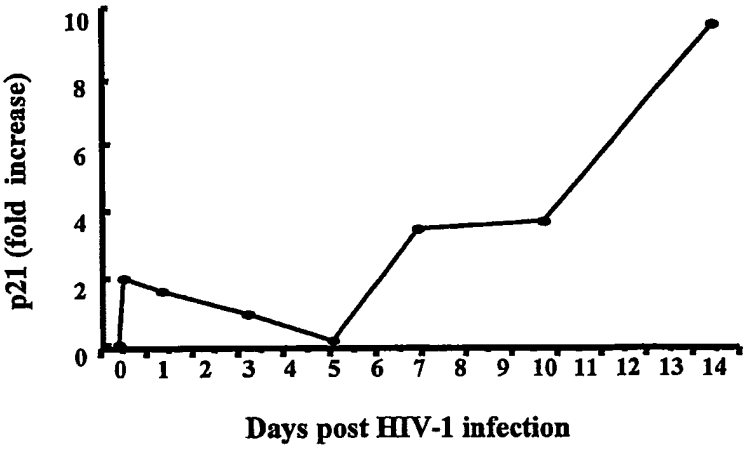


Figure 3A

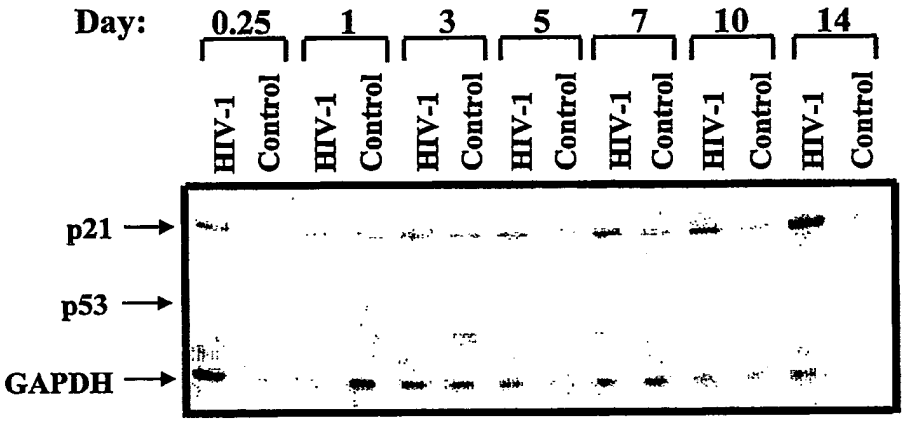


Figure 3B

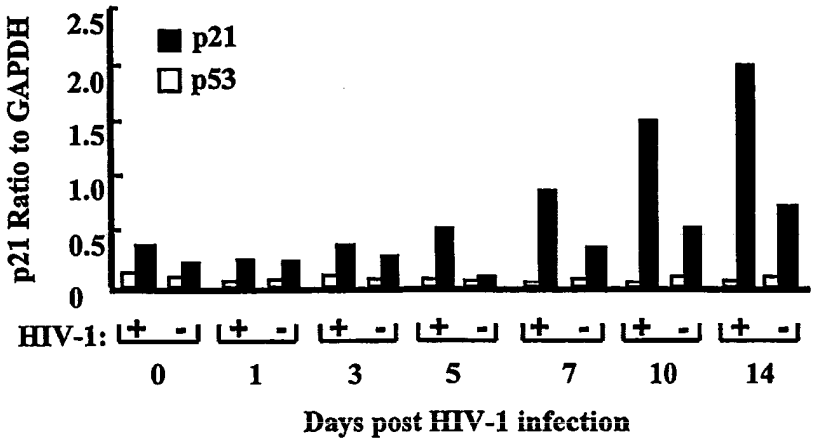


Figure 3C

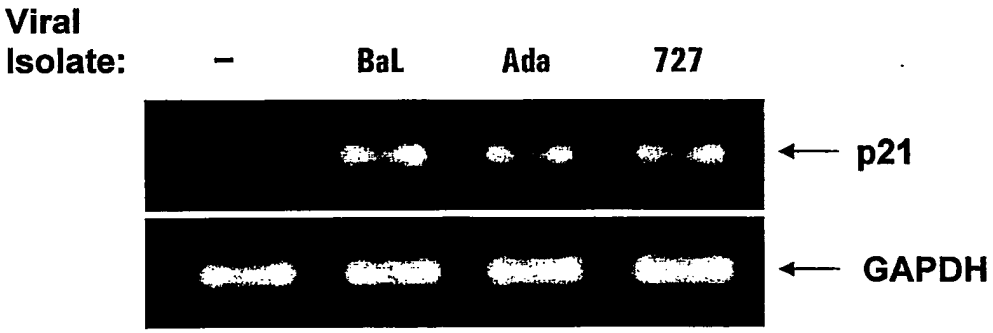


Figure 3D

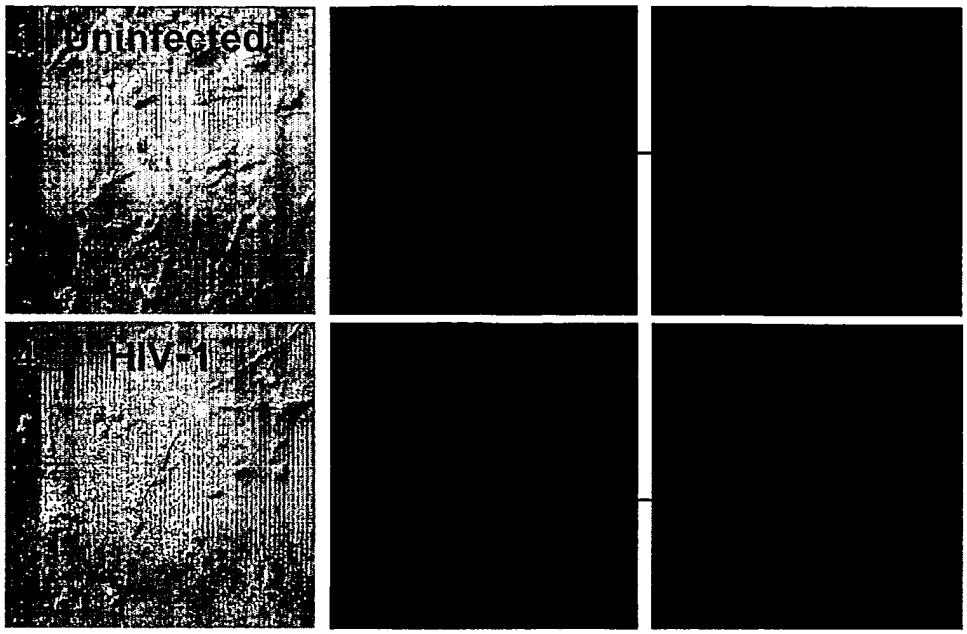


Figure 4A

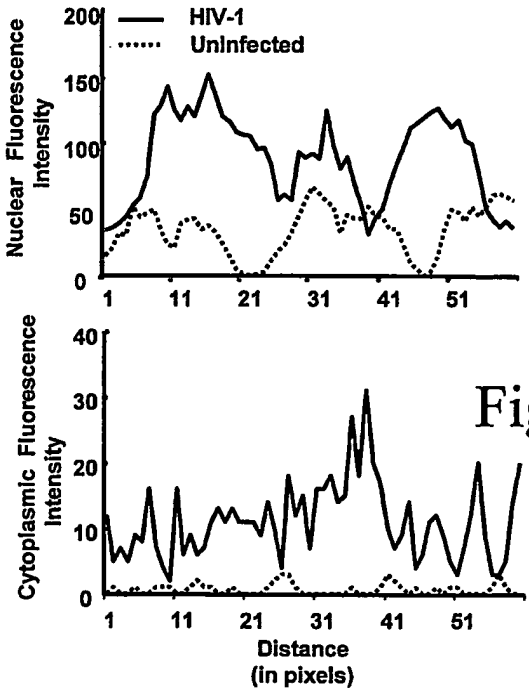
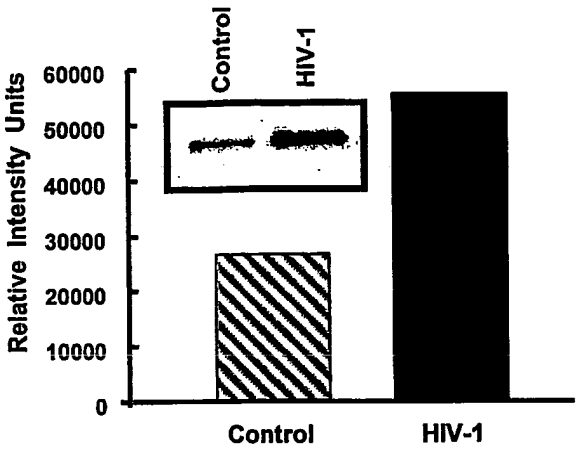


Figure 4B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HIV-1
Relative Intensity Units
60000
50000
40000
30000
20000
10000
0
Control
HIV-1

Figure 4C

Figure 5A

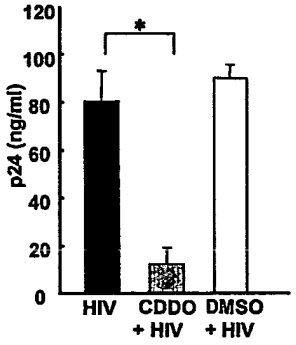
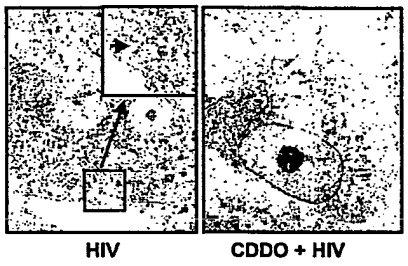


Figure 5B



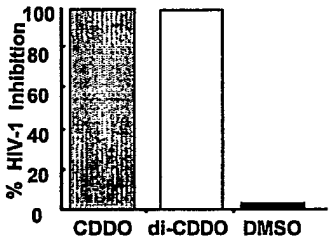


Figure 5C

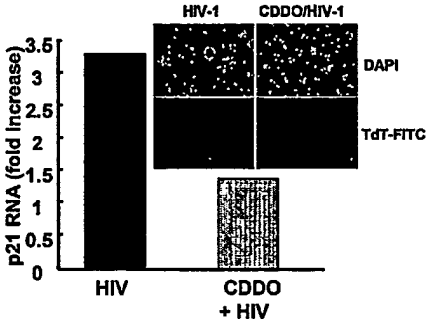


Figure 5D

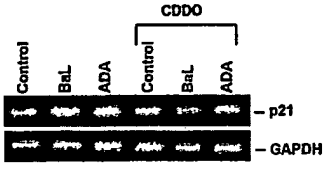


Figure 5E

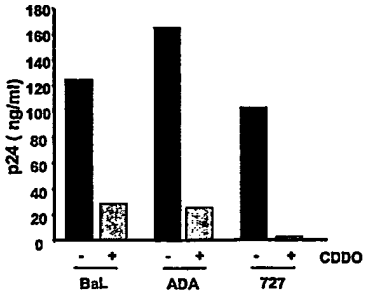


Figure 5F

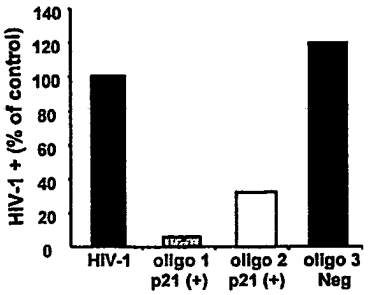


Figure 6A

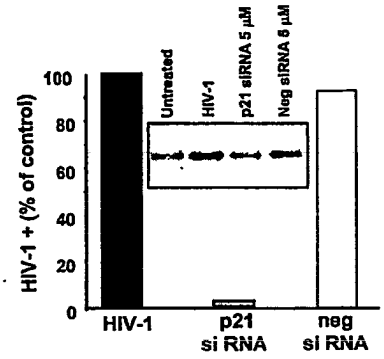


Figure 6B

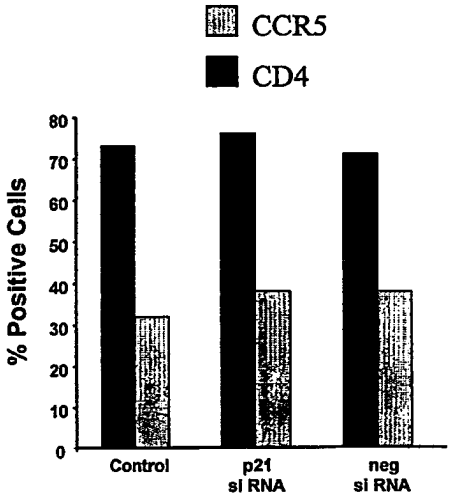


Figure 6C

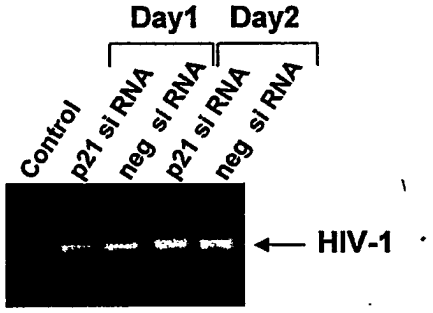


Figure 6D

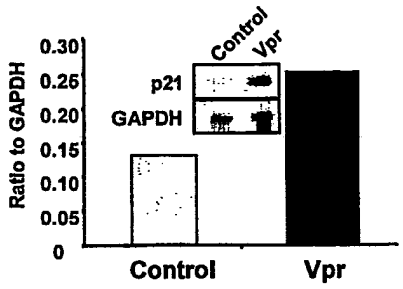


Figure 7A

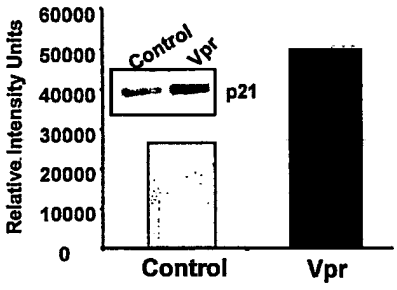


Figure 7B

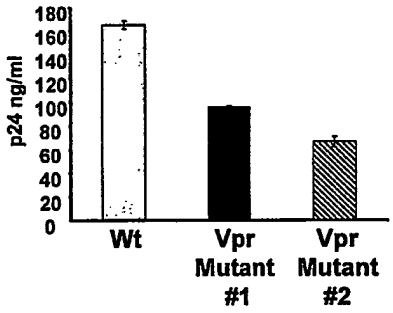


Figure 7C

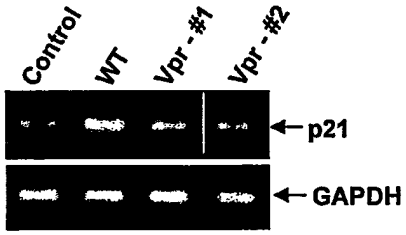


Figure 7D

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Vazquez-Maldonado, Nancy
Greenwell-Wild, Teresa

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